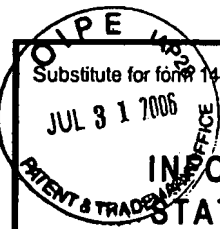
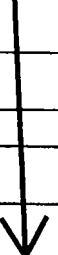


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 <p>Substitute for form 1449/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)</p>				<b>Complete if Known</b>	
				Application No.	10/800487
				Filing Date:	March 15, 2004
				First Named Inventor	McSWIGGEN, James
				Art Unit	1645
				Examiner Name	WOLLENBERGER, Louis V.
Sheet	1	of	1	Attorney Docket Number	04-218 (400.148)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/L.W./	A	US-2004/0220129	11-2004	Reich et al.	
/L.W./	B	US-2002/0151693	10-2002	Breaker et al.	

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
/L.W./	1.	Caplen, "RNAi as a gene therapy approach," <i>Expert Opin. Biol. Ther.</i> , 3(4):575-586 (2003)		
	2.	Chiang et al., "Antisense Oligonucleotides Inhibit Intercellular Adhesion Molecule 1 Expression by Two Distinct Mechanisms," <i>J. Biol. Chem.</i> 27:18162-18171 (1991)		
	3.	Elbashir et al., "Functional Anatomy of siRNAs for Mediating Efficient RNAi in <i>Drosophila Melanogaster</i> Embryo Lysate," <i>The EMBO Journal</i> 20:6877-6888 (2001)		
	4.	Hammond et al. "Post-Transcriptional Gene Silencing by Double-Stranded RNA," <i>Nature</i> , Vol. 2, 110-119 (2001)		
	5.	Parrish, "Functional Anatomy of a dsRNA Trigger: Differential Requirement for the Two Trigger Strands in RNA Interference," <i>Molecular Cell</i> 6:1077-1087 (2000)		
	6.	Schmidt et al., "Base and sugar requirements for RNA cleavage of essential nucleoside residues in internal loop B of the hairpin ribozyme: implications for secondary structure," <i>Nucleic Acids Research</i> 24:573-581 (1996)		

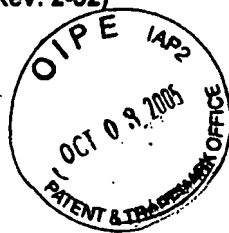
Examiner Signature	/Louis Wollenberger/	Date Considered	05/21/2007
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FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No.	Serial No.
04-218 (400.148)		10/800,487	
Applicant: McSwiggen et al.			
Filing Date:	Group:		
March 15, 2004	1635		



### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

### U.S. PATENT APPLICATION DOCUMENTS

Examiner Initial		Document Number	Filing Date	Name	Class	Subclass	Publication Date if Appropriate
/L.W./	*	09/301,511	04/28/99	Beigleman et al.			
	*	09/740,332	12/18/00	Blatt et al.			
	*	09/800,594	03/06/01	Usman and McSwiggen			
	*	10/151,116	05/17/02	Matulic-Adamic et al.			
	*	10/201,394	07/22/02	Vargeese et al.			
	*	10/417,012	04/16/03	McSwiggen et al.			
	*	10/422,704	04/24/03	McSwiggen et al.			
	*	10/427,160	04/30/03	Vargeese et al.			
	*	10/444,853	05/23/03	McSwiggen et al.			
	*	10/652,791	08/29/03	McSwiggen et al.			
	*	10/693,059	10/23/03	McSwiggen et al.			
	*	10/720,448	11/24/03	McSwiggen et al.			
	*	10/727,780	12/03/03	Vaish et al.			
	*	10/757,803	01/14/04	McSwiggen et al.			
	*	10/780,447	02/13/04	Vargees et al.			
	*	60/082,404	04/20/98	Thompson et al.			
✓	*	60/292,217	05/18/01	Adamic et al.			

EXAMINER	/Louis Wollenberger/	DATE CONSIDERED	05/21/2007
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FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 04-218 (400.148)	Serial No. 10/800,487
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		Applicant: McSwiggen et al.	
		Filing Date: March 15, 2004	Group: 1635

JW	*	60/306,883	07/20/01	Vargeese et al.			
	*	60/311,865	08/13/01	Vargeese et al.			
	*	60/358,580	02/20/02	Beigelman et al.			
	*	60/362,016	03/06/02	Matulic-Adamic et al.			
	*	60/363,124	03/11/02	Beigelman et al.			
	*	60/386,782	06/06/02	Beigelman et al.			
	*	60/402,996	08/13/02	Usman et al.			
	*	60/406,784	08/29/02	Beigelman et al.			
	*	60/408,378	09/05/02	Beigelman et al.			
	*	60/409,293	09/09/02	Beigelman et al.			
	*	60/440,129	01/15/03	Beigelman et al.			
	*	60/543,480	02/10/04	Jadhavi et al.			
	*	US 2001/0007666	01/05/99	Hoffman et al.			07/12/01
	*	US 2002/0130430	12/29/00	Caster			09/19/02
	*	US 2002/0137210	08/09/01	Churikov			09/26/02
	*	US 2003/0077829	04/30/02	MacLachlan			04/24/03
	*	US 2003/0190635	07/25/02	McSwiggen et al.			10/09/03
	*	US 2003/0206887	09/16/02	Morrissey et al.			11/06/03
	*	US 2004/0037780	08/23/02	Parsons et al.			02/26/04
	*	US 2004/0220129	01/16/04	Reich et al.			11/04/04

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FORM PTO-1449  
(Rev. 2-32)

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.

04-218 (400.148)

Serial No.

10/800,487

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

**Applicant:**

McSwiggen et al.

**Filing Date:**

March 15, 2004

**Group:**

1635

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
Sw	*	4,501,729	02/26/85	Boucher et al.			
	*	4,987,071	01/22/91	Cech et al.			
	*	5,108,921	04/28/92	Low et al.			
	*	5,138,045	08/11/92	Vargeese et al.			
	*	5,214,136	05/25/93	Lin et al.			
	*	5,334,711	08/02/94	Sproat			
	*	5,416,016	05/16/95	Low et al.			
	*	5,589,332	12/31/96	Shih et al.			
	*	5,624,803	04/29/97	Noonberg et al.			
	*	5,627,053	05/06/97	Usman et al.			
	*	5,631,359	05/20/97	Chowrira et al.			
	*	5,631,360	05/20/97	Usman et al.			
	*	5,633,133	05/27/97	Long et al.			
	*	5,670,633	09/23/97	Cook et al.			
	*	5,672,695	09/30/97	Eckstein et al.			

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		Applicant: McSwiggen et al.	
		Filing Date:	Group:
		March 15, 2004	1635

Jw	*	5,716,824	02/10/98	Beigelman et al.			
	*	5,741,679	04/21/98	George et al.			
	*	5,792,847	08/11/98	Buhr et al.			
	*	5,804,683	09/08/98	Usman et al.			
	*	5,814,620	09/29/98	Robinson et al.			
	*	5,831,071	11/03/98	Usman et al.			
	*	5,834,186	11/10/98	George et al.			
	*	5,849,902	12/15/98	Arrow et al.			
	*	5,854,038	12/29/98	Sullenger et al.			
	*	5,871,914	02/16/99	Nathan et al.			
	*	5,889,136	03/30/99	Scaringe et al.			
	*	5,898,031	04/27/99	Crooke			
	*	5,902,880	05/11/99	Thompson et al.			
	*	5,968,909	10/19/99	Agrawal et al.			
	*	5,989,912	11/23/99	Arrow et al.			
	*	5,998,203	12/07/99	Adamic et al.			
	*	6,001,311	12/14/99	Brennan			
	*	6,005,087	12/21/99	Cook et al.			
	*	6,008,400	12/28/99	Scaringe et al.			
	*	6,054,576	04/25/00	Bellon et al.			

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<b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>		<b>Applicant:</b> McSwiggen et al.	
(Use several sheets if necessary)		<b>Filing Date:</b> March 15, 2004	<b>Group:</b> 1635

/L.W./	*	6,107,094	08/22/00	Crooke			
	*	6,111,086	08/29/00	Scaringe et al.			
	*	6,117,657	09/12/00	Usman et al.			
	*	6,146,886	11/14/00	Thomson			
	*	6,153,737	11/28/00	Manoharan et al.			
	*	6,162,909	12/19/00	Bellon et al.			
	*	6,168,778	01/02/01	Janjic et al.			
	*	6,180,613	01/30/01	Kaplitt et al.			
	*	6,235,310	05/22/01	Wang et al.			
	*	6,235,886	05/22/01	Manoharan et al.			
	*	6,248,878	06/19/01	Matulic-Adamic et al.			
	*	6,300,074	10/09/01	Gold			
	*	6,303,773	10/16/01	Bellon et al.			
	*	6,335,434	01/01/02	Guzaev et al.			
	*	6,350,934	02/26/02	Zwick et al.			
	*	6,353,098	03/05/02	Usman et al.			
	*	6,362,323	03/26/02	Usman et al.			
	*	6,395,492	05/28/02	Manoharan et al.			
	*	6,395,713	05/28/02	Beigelman et al.			
↓	*	6,437,117	08/20/02	Usman et al.			

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		Applicant: McSwiggen et al.	
		Filing Date: March 15, 2004	Group: 1635

/L.W./	*	6,447,796	09/10/02	Vook et al.			
	*	6,469,158	10/22/02	Usman et al.			
	*	6,476,205	11/05/02	Buhr et al.			
	*	6,506,559	01/14/03	Fire et al.			
	*	6,528,631	03/04/03	Cook et al.			
	*	6,565,885	05/20/03	Tarara et al.			
	*	6,582,728	06/24/03	Platz et al.			
	*	6,586,524	07/01/03	Sagara			
	*	6,592,904	07/15/03	Platz et al.			

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
/L.W./	*	2001240375 (Old Application No. 40375/01)	03/16/01	AU (Graham et al.)				
	*	2,359,180	08/03/00	CA (Kreutzer et al.)				
	*	0 360 257	02/28/90	EP (Hampel et al.)				
	1.	1325955	07/09/03	EP (Klippel-Giese et al.)				
	*	1144623 B1	01/29/02	EP (Kreutzer et al.)				

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		Filing Date: March 15, 2004	Group: 1635

/L.W./	2.	08208687	08/1996	JP (Hotoda et al.)	Abstract Only			
	*	88/09810	12/15/88	WO (Tullis et al.)				
	*	89/02439	03/23/89	WO (Arnold et al.)				
	*	90/12096	10/18/90	WO (Low et al.)				
	*	90/14090	11/29/90	WO (Gillespie et al.)				
	*	91/03162	03/21/91	WO (Rossi et al.)				
	*	92/07065	04/30/92	WO (Eckstein et al.)				
	*	93/15187	08/05/93	WO (Usman et al.)				
	*	93/23569	11/25/93	WO (Draper et al.)				
	*	94/01550	01/20/94	WO (Agrawal et al.)				
	*	94/02595	02/03/94	WO (Sullivan et al.)				
	3.	95/04142	02/09/95	WO (Robinson)				
	*	95/06731	03/09/95	WO (Usman et al.)				
	*	95/11304	04/27/95	WO (Usman et al.)				
	*	95/11910	05/04/95	WO (Dudycz et al.)				
	*	96/10390	04/11/96	WO (Ansell et al.)				
	*	96/10391	04/11/96	WO (Choi et al.)				
	*	96/10392	04/11/96	WO (Holland et al.)				
	4	96/18736	06/20/96	WO (Beigelman et al.)				
↓	*	96/22689	08/01/96	WO (Pyle et al.)				

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<b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>		<b>Applicant:</b> McSwiggen et al.	
(Use several sheets if necessary)		<b>Filing Date:</b> March 15, 2004	<b>Group:</b> 1635

/L.W./	5.	96/40162	12/19/96	WO (Nyce et al.)				
	*	97/26270	07/24/97	WO (Beigelman et al.)				
	*	98/13526	04/02/98	WO (Woolf et al.)				
	*	98/27104	06/25/98	WO (Breaker et al.)				
	*	98/28317	07/02/98	WO (Matulic-Adamic et al.)				
	*	98/43993	10/08/98	WO (Breaker et al.)				
	*	98/58058	12/23/98	WO (Ludwig & Sproat)				
	*	99/04819	02/04/99	WO (Klimuk)				
	*	99/05094	02/04/99	WO (Beigelman et al.)				
	*	99/07409	02/18/99	WO (Deschamps de Paillette et al.)				
	*	99/14226	03/25/99	WO (Wengel et al.)				
	*	99/16871	04/08/99	WO (Eckstein et al.)				
	*	99/17120	04/08/99	WO (Davis and Bishop)				
	*	99/29842	06/17/99	WO (Sullenger et al.)				
	*	99/31262	06/24/99	WO (Barry et al.)				
	*	99/32619	07/01/99	WO (Fire et al.)				
	*	99/49029	09/30/99	WO (Graham et al.)				
	*	99/53050	10/21/99	WO (Waterhouse et al.)				
✓	*	99/54459	10/28/99	WO (Thompson et al.)				

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(Use several sheets if necessary)		<b>Filing Date:</b> March 15, 2004	<b>Group:</b> 1635

/L.W./	*	99/55857	11/04/99	WO (Beigelman et al.)				
	*	99/61631	12/02/99	WO (Heifetz et al.)				
	*	99/66063	12/23/99	WO (Manoharan et al.)				
	*	00/01846	01/13/00	WO (Plaetinck et al.)				
	6.	00/03683	01/27/00	WO (Boey et al.)				
	105.	00/21560	04/20/00	WO (Alitalo et al.)				
	*	00/24931	05/04/00	WO (Nathan and Ellington)				
	*	00/26226	05/11/00	WO (Breaker et al.)				
	*	00/44895	08/03/00	WO (Kreutzer et al.)				
	*	00/44914	08/03/00	WO (Li et al.)				
	*	00/49035	08/24/00	WO (Sheen)				
	*	00/53722	09/14/00	WO (O'Hare and Normand)				
	*	00/63364	10/26/00	WO (Pachuk et al.)				
	*	00/66604	11/09/00	WO (Wengel et al.)				
	*	01/04313	01/18/01	WO (Satishchandran et al.)				
	*	01/29058	04/26/01	WO (Mello et al.)				
	*	01/36646	05/25/01	WO (Zernicka-Goetz et al.)				
	*	01/38551	05/31/01	WO (Grossniklaus)				
↓	*	01/42443	06/14/01	WO (Churikov et al.)				

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<b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>		04-218 (400.148)	10/800,487
(Use several sheets if necessary)		<b>Applicant:</b> McSwiggen et al.	
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		March 15, 2004	1635

/L.W./	*	01/49844	07/12/01	WO (Driscoll et al.)				
	*	01/53475	07/26/01	WO (Cogoni et al.)				
	*	01/68836	09/20/01	WO (Beach et al.)				
	*	01/70944	09/27/01	WO (Honer et al.)				
	*	01/70949	09/27/01	WO (Graham et al.)				
	*	01/72774	10/04/01	WO (Deak et al.)				
	*	01/75164	10/11/01	WO (Tuschl et al.)				
	*	01/92513	12/06/01	WO (Arndt et al.)				
	*	01/96584	12/20/01	WO (Mushegian et al.)				
	7.	01/097850	12/27/01	WO (Siemeister et al.)				
	*	02/055692	01/09/02	WO (Kreutzer et al.)				
	*	02/055693	01/09/02	WO (Kreutzer et al.)				
	8.	02/087541	11/07/02	WO (MacLachlan)				
	*	02/094185 (PCT/US02/15876)	11/28/02	WO (Beigelman et al.)				
	9	02/096927	12/05/02	WO (Escobedo et al.)				
	10.	02/07747	01/31/02	WO (King)				
	11.	02/10378	02/07/02	WO (Cowser et al.)				
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	39.	GenBank Accession No. BC0029364
	40.	GenBank Accession No. BC003097
	41.	GenBank Accession No. BC015969
	42.	GenBank Accession No. BC030132
	43.	GenBank Accession No. BC058903
	44.	GenBank Accession No. BT006854
	*	GenBank Accession No. D00239

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	*	Genbank Accession No. D11168
	*	GenBank Accession No. D50483.1
45.		GenBank Accession No. J03132
	*	Genbank Accession No. K02121
	*	GenBank Accession No. L24917
	*	Genbank Accession No. L38318
	*	GenBank Accession No. M16248
	*	Genbank Accession No. M31724
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47.		GenBank Accession No. M32332
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	*	GenBank Accession No. NC_001345
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	*	Genbank Accession No. NC_001563
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	*	Genbank Accession No. NC_004718
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	*	GenBank Accession No. NM_001982
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	*	Genbank Accession No. NM_002592.1
	*	GenBank Accession No. NM_002667
	*	Genbank Accession No. NM_002737
	*	GenBank Accession No. NM_003219
55.		GenBank Accession No. NM_003259
	*	Genbank Accession No. NM_003376
	*	Genbank Accession No. NM_004283
	*	Genbank Accession No. NM_004448
	*	Genbank Accession No. NM_005228
	*	Genbank Accession No. NM_005235
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57.		GenBank Accession No. NM_022377
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	<b>Applicant:</b> McSwiggen et al.	
	<b>Filing Date:</b>  March 15, 2004	<b>Group:</b>  1635

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